

(19) 日本国特許庁 (J P)

(12) 登録実用新案公報 (U)

(11) 実用新案登録番号

第3049907号

(45) 発行日 平成10年(1998) 6月30日

(24) 登録日 平成10年(1998) 4月8日

(51) Int.Cl.<sup>4</sup>

識別記号

F I

A 6 1 F 13/15

A 6 1 F 13/18

3 2 0

3 4 0

評価書の請求 未請求 請求項の数 1 F D (全 5 頁)

(21) 出願番号 実願平9-11563

(22) 出願日 平成9年(1997)12月17日

(73) 実用新案権者 598004893

野口 優子

東京都足立区中川3丁目17番13号

(72) 考案者 野口 優子

東京都足立区中川3丁目17番13号

(74) 代理人 弁理士 宮崎 一男

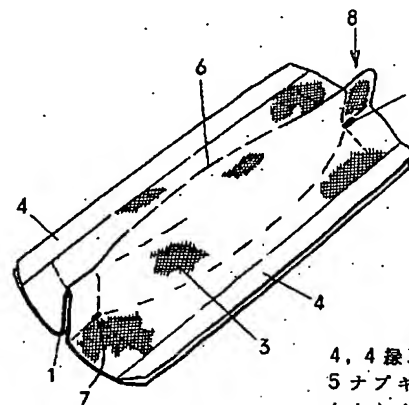
(54) 【考案の名称】 生理用ナプキン

(57) 【要約】

【課題】 ちつ出口に常にピッタリと密着させた状態を保持しながら出血をキャッチできる生理用ナプキンを提供する。

【解決手段】 防水シートの上に適当な厚さを有する吸収材を敷き、この吸収材にメッシュ材を被せ、このメッシュ材の両側部又は周側部には、防水材で成形された縁取り部を設けてなるナプキン材をその中心線に沿った部分が立ち上がるように変形させた状態において、立ち上がり部の両端を開かないようにくり付ける。

1 防水シート  
2 吸収材  
3 メッシュ材



4, 4 縁取り部  
5 ナプキン材  
6 立ち上がり部  
7, 7 糸  
8 生理用ナプキン

1

【実用新案登録請求の範囲】

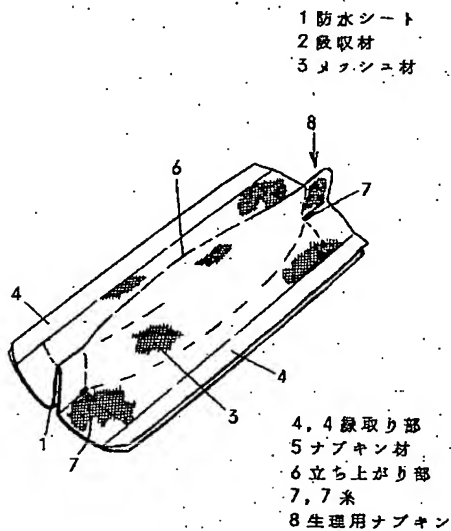
【請求項1】 防水シートの上面に適当な厚さを有する吸収材を敷き、この吸収材にメッシュ材を被せ、このメッシュ材の両側部又は周側部には、防水材で成形された縁取り部を設けてなるナプキン材をその中心線に沿った部分が立ち上がるように変形させた状態において、立ち上がり部の両端を開かないようにくくり付けてなる生理用ナプキン。

【図面の簡単な説明】

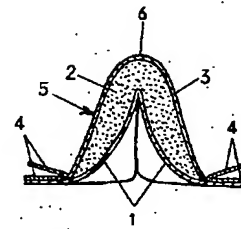
【図1】 本考案に係る生理用ナプキンの斜視図である。 10

【図2】 同ナプキンの中央拡大横断面図である。 \*

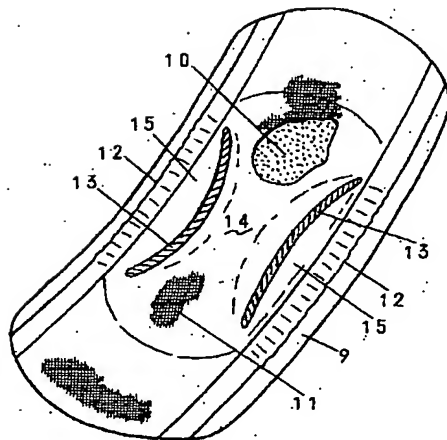
【図1】



【図2】



【図3】



\* 【図3】 従来の生理用ナプキンの一例を示す斜視図である。

【符号の説明】

- 1 防水シート
- 2 吸収材
- 3 メッシュ材
- 4, 4 縁取り部
- 5 ナプキン材
- 6 立ち上がり部
- 7, 7 くくり付け用の糸
- 8 生理用ナプキン

## 【考案の詳細な説明】

## 【0001】

【考案の属する技術分野】 本考案は、生理用ナプキンに関するものである。

## 【0002】

【従来の技術】 従来の生理用ナプキンには、図3に示すように防水シート9の上面に吸収材10を敷き、吸収材10にメッシュ材11を被せ、メッシュ材11の両側部には、防水シートからなるサイドギャザー12、12を設け、メッシュ材11の中心線から両側へ等間隔をおいた位置には、弧状のシール溝13、13を設けて、シール溝13、13の内側部分14と外側部分15、15を盛り上がらせてなるものがある。

## 【0003】

【考案が解決しようとする課題】 上記従来の生理用ナプキンでは、シール溝13、13の内側部分14の盛り上がり寸法が外側部分15、15の盛り上がり寸法よりも大きくなっているため、着用時に内側部分14がちつ出口に接近するけれども、この内側部分14に、それがちつ出口に常にピッタリと密着した状態を保持しながら出血をキャッチできる効果を発揮させることは無理であった。

そのため、生理の際に、ベタベタ感が広がり、不快な思いをすることが多いという問題点があった。

本考案は、上記従来の問題点を完全に解消しうる生理用ナプキンを提供することを目的とするものである。

## 【0004】

【課題を解決するための手段】 上記の目的を達成するために、本考案は、防水シートの上面に適当な厚さを有する吸収材を敷き、この吸収材にメッシュ材を被せ、このメッシュ材の両側部又は周側部には、防水材で成形された縁取り部を設けてなるナプキン材をその中心線に沿った部分が立ち上がるように変形させた状態において、立ち上がり部の両端が開かないようにくくり付ける点に特徴を有するものである。

## 【0005】

【考案の実施の形態】 防水シートの上面に適当な厚さを有する吸収材を敷き、この吸収材にメッシュ材を被せ、このメッシュ材の両側部又は周側部には、防水材で成形された縁取り部を設けてなるナプキン材をその中心線に沿った部分が2.5cm程度立ち上がるように変形させた状態において、立ち上がり部の両端を開かないようにくくり付けることにより、生理用ナプキンを製作する。

【0006】 上記の生理用ナプキンでは、着用時に立ち上がり部がちつ出口にピッタリと密着する。この状態において、身体を自由に動かしても、その動きに応じて、立ち上がり部の中央部下辺が両端のくくり付け部を支点にして適度に開閉し、立ち上がり部のちつ出口に対する密着が常に保持される。

上記の生理用ナプキンは、単独で使用するほか、従来の生理用ナプキンと組み合わせて使用できる。また、就寝の際には、後寄りに着用することにより、後漏れを防止できる。

【0007】

【実施例】 以下図1および図2にもとづいて本考案の実施例を説明すると、1は防水シート、2は防水シート1の上面に敷いた吸収材で、適当な厚さを有する。3は吸収材2に被せたメッシュ材、4、4はメッシュ材3の両側部に設けた縁取り部で、例えば、防水材により二つ折に成形し、その下辺部分を防水シート1の上面およびメッシュ材3の両側縁にかけて接着する。5は以上の素材からなるナプキン材で、その中心線に沿った部分を2.5cm程度立ち上がるように変形させた状態において、立ち上がり部6の両端を開かないように糸7、7でくくり付け、あるいは、接着剤、その他適当な手段でくくり付けることにより、生理用ナプキン8を製作する。

上記実施例に係る生理用ナプキン8を着用すると、立ち上がり部6がちつ出口に常に密着し、出血がメッシュ材3を直接通過して吸収材2に吸収されるとともに、防水シート1および縁取り部4、4によって出血の漏れが防止される。

【0008】 上記実施例では、メッシュ材3の両側部に防水材で二つ折に成形された縁取り部4、4を設ける例を示したが、本考案は、この実施例に限定されるものではなく、メッシュ材3の両側部から両端部に至る周側部に同縁取り部4、4を設けることもある。また、縁取り部4、4は、防水材で一重に成形し

、防水シート1の上面およびメッシュ材の両側縁又は周側縁にかけて接着したり、防水シート1に一連に連なるように成形することもあり、その他適宜設計変更できる。

【0009】

【考案の効果】 本考案は、叙上のように構成したから、次のような効果を奏する。

- (1) 生理の際に、立ち上がり部を挟む感じで着用し、立ち上がり部をちつ出口に常にピッタリと密着させた状態を保持しながら出血をキャッチできる効果が發揮されるので、ベタベタ感が広がることなく、いつもさっぱりとし、不快な思いをしなくて済む。
- (2) 生理中での就寝時における後漏れ防止にも使用できる。
- (3) 下着の汚れを防止できる。
- (4) 年寄りの少しの尿漏れ、尻漏れ対策用としても使用できる。
- (5) 構造が簡単、製作が容易なので、製品価格を安価にできる。

**\* NOTICES \***

Japan Patent Office is not responsible for any damages caused by the use of this translation.

1.This document has been translated by computer. So the translation may not reflect the original precisely.

2.\*\*\*\* shows the word which can not be translated.

3.In the drawings, any words are not translated.

---

**A bibliography**

---

(19) [Country of Issue] Japan Patent Office (JP)

(12) [Official Gazette Type] Registration utility model official report (U)

(11) [Registration number] No. 3049907

(24) [Registration day] April 8, Heisei 10 (1998)

(45) [Date of issue] June 30, Heisei 10 (1998)

(54) [The name of a design] Sanitary napkin

(51) [International Patent Classification (6th Edition)]

A61F 13/15

[FI]

A61F 13/18 320

340

[A claim of an evaluation document] Un-asking.

[The number of claims] 1

[Mode of Application] FD

[Number of Pages] 5

(21) [Filing Number] An application-for-a-utility-model-patent common 9-11563

(22) [Filing Date] December 17, Heisei 9 (1997)

(73) [Utility model right person]

[Identification Number] 598004893

[Name] Noguchi Yuko

[Address] 3-17-13, Nakagawa, Adachi-ku, Tokyo

(72) [Designer]

[Name] Noguchi Yuko

[Address] 3-17-13, Nakagawa, Adachi-ku, Tokyo

(74) [Attorney]

[Patent Attorney]

[Name] Miyazaki The first son

---

[Translation done.]

**\* NOTICES \***

**Japan Patent Office is not responsible for any damages caused by the use of this translation.**

1.This document has been translated by computer. So the translation may not reflect the original precisely.

2.\*\*\*\* shows the word which can not be translated.

3.In the drawings, any words are not translated.

---

**Epitome**

---

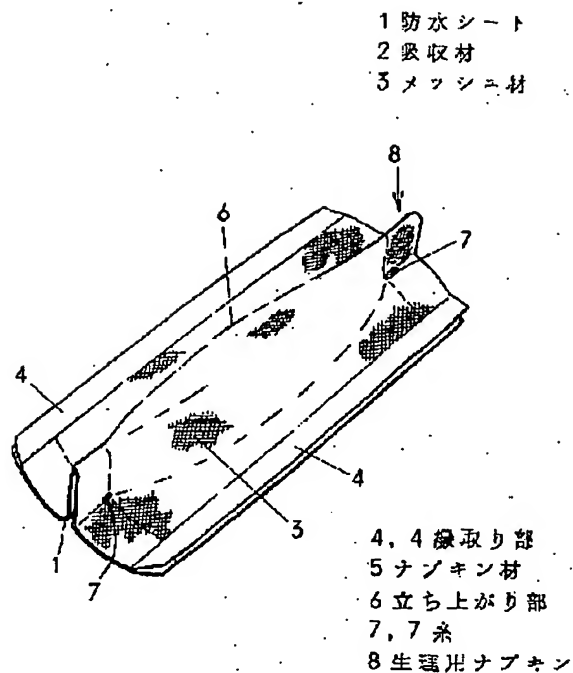
**(57) [Abstract]**

[Technical problem] The sanitary napkin which can catch bleeding is offered holding the condition of having made it always sticking to a \*\*\*\* outlet exactly.

[Means for Solution] It covers with an absorber which has suitable thickness for the upper surface of a tarpaulin, and mesh material is put on this absorber, and in the condition of having made napkin material which comes to prepare the burster-trimmer-stacker-feature section fabricated with a water blocking material transforming so that a portion which met that center line may start, it starts to the both-sides section or a circumferential flank of this mesh material, and both ends of the section are fastened to it so that there may be nothing in open.

---

[Translation done.]




---

[Translation done.]

\* NOTICES \*

Japan Patent Office is not responsible for any damages caused by the use of this translation.

1.This document has been translated by computer. So the translation may not reflect the original precisely.

2.\*\*\* shows the word which can not be translated.

3.In the drawings, any words are not translated.

---

CLAIMS

[Utility model registration claim]

[Claim 1] A sanitary napkin which covers with an absorber which has suitable thickness for the upper surface of a tarpaulin, puts mesh material on this absorber, starts in the condition of having made napkin material which comes to prepare the burster-trimmer-stacker-feature section fabricated with a water blocking material in the both-sides section or a circumferential flank of this mesh material transforming so that a portion which met that center line may start, and fastens and becomes about both ends of the section so that there may be nothing in open.

---

[Translation done.]

**\* NOTICES \***

**Japan Patent Office is not responsible for any damages caused by the use of this translation.**

1.This document has been translated by computer. So the translation may not reflect the original precisely.

2.\*\*\*\* shows the word which can not be translated.

3.In the drawings, any words are not translated.

---

**DETAILED DESCRIPTION**

---

[Detailed explanation of a design]

[0001]

[The technical field to which a design belongs] This design is related with a sanitary napkin.

[0002]

[Description of the Prior Art] As shown in the conventional sanitary napkin at drawing 3 , the upper surface of a tarpaulin 9 is covered with an absorber 10, the mesh material 11 is put on an absorber 10, the side gathers 12 and 12 which consist of a tarpaulin are formed, the arc-shaped seal grooves 13 and 13 are formed in the location which set regular intervals from the center line of the mesh material 11 to both sides, and there is a thing which makes the inside portion 14 and lateral parts 15 and 15 of seal grooves 13 and 13 come to rise in the both-sides section

[0003]

[Problem(s) to be Solved by the Device] in the above-mentioned conventional sanitary napkin, since the climax size of the inside portion 14 of seal grooves 13 and 13 is larger than the climax size of lateral parts 15 and 15, the inside portion 14 approaches a \*\*\*\* outlet at the time of wear — also although kicked, it tends to swerve to a part for a flank 14 — it was impossible to have demonstrated the effect which can catch bleeding, holding the condition of having always stuck to \*\*\*\*\* exactly.

Therefore, there was a trouble breadth and that admiration felt unpleasant all over in many cases, on the occasion of physiology.

This design aims at offering the sanitary napkin which can cancel the above-mentioned conventional trouble completely.

[0004]

[Means for Solving the Problem] in order to attain the above-mentioned purpose , this design cover with an absorber which have suitable thickness for the upper

surface of a tarpaulin , and a mesh material put on this absorber , and it start in the condition made a napkin material which come to prepare the burster trimmer stacker feature section fabricated with a water blocking material by the both sides section or a circumferential flank of this mesh material transform so that a portion which met that center line may start , and the both ends of the section have the feature at open or the point which fasten so that there may be nothing .

[0005]

[A gestalt of implementation of a design] A sanitary napkin is manufactured by starting in the condition of having made napkin material which comes to prepare the burster-trimmer-stacker-feature section fabricated with a water blocking material by the both-sides section or a circumferential flank of this mesh material transforming so that a portion which met that center line may start about 2.5cm, and fastening by covering with an absorber which has suitable thickness for the upper surface of a tarpaulin, and putting mesh material on this absorber, so that there may be nothing in open about both ends of the section.

[0006] In the above-mentioned sanitary napkin, it starts at the time of wear and the section sticks to a \*\*\*\* outlet exactly. It starts, both ends fasten, and the bottom side of a center section of the section uses the section as the supporting point, and opens and closes moderately, even if it moves the body freely, in this condition, according to that motion, it starts and adhesion to after [ the section ] \*\*\*\*\* is always held.

It is used independently and also the above-mentioned sanitary napkin can be used combining the conventional sanitary napkin. Moreover, in the case of sleeping, back leakage can be prevented by wearing to after approach.

[0007]

[Example] When the example of this design is explained based on drawing 1 and drawing 2 below, it is the absorber which covered the tarpaulin with 1 and covered the upper surface of a tarpaulin 1 with 2, and has suitable thickness. The mesh material which put 3 on the absorber 2, and 4 and 4 are the burster-trimmer-stacker-feature sections prepared in the both-sides section of the mesh material 3, for example, they are fabricated with a water blocking material at 2 chip boxes, and they paste up, applying a part for the lower edge part to the upper surface of a tarpaulin 1, and the edges on both sides of the mesh material 3. 5 is the napkin material which consists of the above material, and manufactures a sanitary napkin 8 in the condition of having made the portion which met the center line deforming so that it may start about 2.5cm, by starting, fastening with thread 7 and 7 so that there may be nothing in open about the both ends of the section 6, or fastening with adhesives and other suitable means.

If the sanitary napkin 8 concerning the above-mentioned example is worn, while it starts and the section 6 always sticks to a \*\*\*\* outlet, and bleeding will pass the mesh material 3 directly and will be absorbed by the absorber 2, the leakage of bleeding is prevented by a tarpaulin 1 and the burster-trimmer-stacker-feature

sections 4 and 4.

[0008] Although the above-mentioned example showed the example which forms the burster-trimmer-stacker-feature sections 4 and 4 fabricated with the water blocking material by the both-sides section of the mesh material 3 at 2 chip boxes, this design is not limited to this example and may form these burster-trimmer-stacker-feature sections 4 and 4 in the circumferential flank from the both-sides section of the mesh material 3 to both ends. Moreover, since the burster-trimmer-stacker-feature sections 4 and 4 are fabricated with a water blocking material to one layer, and the edges on both sides or the circumferential side edge of the upper surface of a tarpaulin 1 and mesh material is applied and pasted, or they are fabricated so that it may stand in a row in a tarpaulin 1 at a single string, they can carry out a design change suitably.

[0009]

[Effect of the Device] this design — \*\* — since it constituted as mentioned above, the following effects are done so.

- (1) Wear and start by the sensibility which starts in the case of physiology and inserts the section into it, and be to a \*\*\*\* outlet about the section. The effect which can catch bleeding while holding the condition of having made it always sticking exactly is \*\*. It always feels refreshed, without admiration spreading all over, since \*\* is carried out, and is unpleasant \*\*. It is not necessary to carry out \*\*.
- (2) Back [ at the time of sleeping in physiology ], it can be used also for leakage prevention.
- (3) The dirt of underwear can be prevented.
- (4) It can be used also as the urine leakage of some of old persons, and an object for a hips leakage cure.
- (5) Since simplicity [ structure ] and manufacture are easy, a product price can be made cheap.

---

[Translation done.]

\* NOTICES \*

Japan Patent Office is not responsible for any damages caused by the use of this translation.

- 1.This document has been translated by computer. So the translation may not reflect the original precisely.
- 2.\*\*\* shows the word which can not be translated.
- 3.In the drawings, any words are not translated.

---

DESCRIPTION OF DRAWINGS

---

**[Brief Description of the Drawings]**

**[Drawing 1]** It is the perspective diagram of the sanitary napkin concerning this design.

**[Drawing 2]** It is the central expansion cross-sectional view of this napkin.

**[Drawing 3]** It is the perspective diagram showing an example of the conventional sanitary napkin.

**[Description of Notations]**

1 Tarpaulin

2 Absorber

3 Mesh Material

4 Four ~~Burster-trimmer-stacker~~-feature section

5 Napkin Material

6 Standup Section

7 7 It fastens and is the thread of business.

8 Sanitary Napkin

---

**[Translation done.]****\* NOTICES \***

**Japan Patent Office is not responsible for any damages caused by the use of this translation.**

1.This document has been translated by computer. So the translation may not reflect the original precisely.

2.\*\*\*\* shows the word which can not be translated.

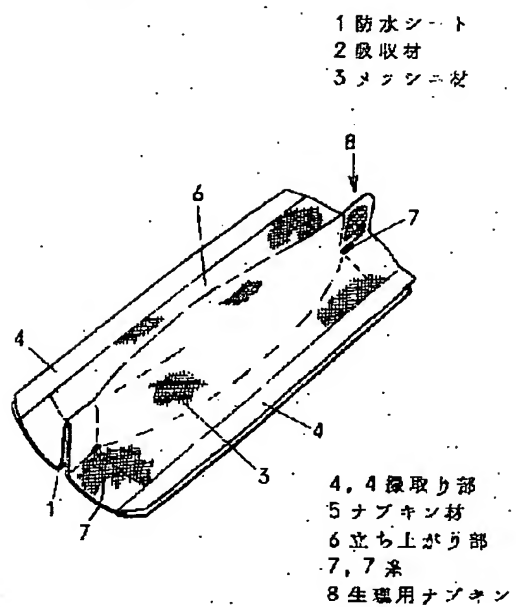
3.In the drawings, any words are not translated.

---

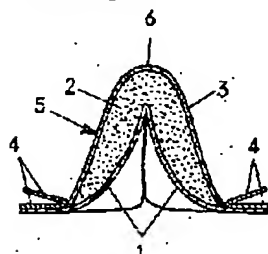
**DRAWINGS**

---

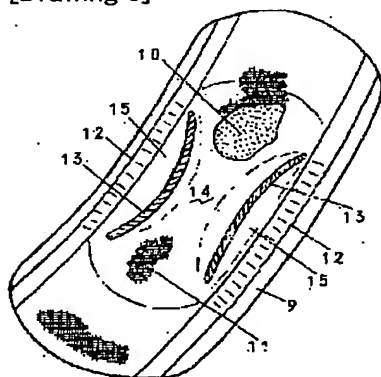
[Drawing 1]



[Drawing 2]



[Drawing 3]



[Translation done.]